| ADDITIONAL FILE 2: SI | PIRIT figure | | | 07111 | DV DEDICE | | | | | . |
|---|---|----------------------------------|--|-------|-----------|----|----------|----|----|--------------------------|
| | STUDY PERIOD Enrollment Allocation Post-Allocation Month | | | | | | | | | CLOSE- OUT |
| TIMEPOINT | Enrollment 4/2016 – 2/2018 | Allocation 4/2016 – 2/2018 | 0 | 4 | 8 | 12 | 16 | 20 | 24 | 2/2020- 5/2020 |
| ENROLLMENT: | | | | | | | | | | - |
| Eligibility screen | Х | | | | | | | | | |
| Informed consent | X | | | | | | | | | |
| Other procedures | | | For MAT+A- CHESS group: A- CHESS training | | | | | | | |
| Allocation | | X | · · | | | | | | | |
| INTERVENTIONS: | | | | | | | | | | |
| MAT + A-CHESS | | | ₽ | | | | — | | | Data cleaning, analysis, |
| MAT Alone | | | + | | | | | | | |
| Other study groups | N/A | | | | | | | | | |
| ASSESSMENTS: | | | | | | | | | | and |
| Baseline variables: | | | | | | | | | | publica- |
| Gender, age, race, education, SUD history & treatment history, chronic pain diagnosis & treatment history, mental health diagnosis & treatment history | | | Х | | | | | | | tions |
| Housing, employment, relationships, pain severity, HIV/HCV status Continued on next page | | | Х | х | Х | X | X | Х | Х | |

| SPIRIT figure continued | | | | STUI | OY PERIOD | | | | | CLOSE- |
|---|--|-------------------|-----------------------|------|-----------|----|----|----|----|---|
| TIMEPOINT | Enrollment | Allocation | Post-Allocation Month | | | | | | | OUT |
| | 4/2016- 2/2018 | 4/2016- 2/2018 | 0 | 4 | 8 | 12 | 16 | 18 | 24 | 2/2020- 5/2020 |
| ASSESSMENTS continued: | | | | | | | | | | |
| Outcome variables: Primary: Days of illicit opioid use. Secondary: Other non-prescribed substance use; quality of life; retention in treatment; health service use; HIV/HCV: Screening and testing rates, medication adherence, risk behaviors, testing rates, linkage to care. Exploratory: Response to MAT vs. MAT+A-CHESS, implementation struggles. | | | X | х | X | X | X | X | X | Data cleaning, analysis, and publications |
| Mediators: Autonomy, competence, relatedness, negative affect, self-stigma | | | Х | x | х | x | x | х | x | publications |
| Moderator, assessed only at baseline: Gender | | | Х | | | | | | | |
| Other moderators: SUD severity, pain severity, severity of withdrawal symptoms, loneliness | | | Х | Х | Х | Х | Х | Х | х | |
| A-CHESS users only: A-CHESS use, communication style | A-CHESS use and participant communication style are continuously monitored electronically during the study period. | | | | | | | | | |